

Abstract

A system having two or more sensors is described. Each sensor has a transmitter and a receiver for signals, a sensor being able to receive a cross echo signal of another sensor. The sensors are also able to receive and evaluate the signals reflected by the other sensor without
5 mutual interference, the sensors being decoupled from one another. In the receive mode, the sensors are temporally separated by the time delay of the transmission and reception signals.

(Figure 2)